

Date: Mon, 29 Mar 93 04:30:15 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #388
To: Info-Hams

Info-Hams Digest Mon, 29 Mar 93 Volume 93 : Issue 388

Today's Topics:

 \$40.00 Radio Shack SWR meter problems
 Daily Solar Geophysical Data Broadcast for 28 March
 KEPLERIAN BULLETIN 13 ARLK013
 Operation in Monaco
 Propagation Forecast Bulletin 12 ARLP012
 Radio Shack Pro-39 Mods

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Mar 93 04:47:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: \$40.00 Radio Shack SWR meter problems
To: info-hams@ucsd.edu

In INFO-HAMS #382 Paul Blumstein comments about James Bromley's comments
about Ed Humphries' comments:

```
/*
+***REAL*** hams can calculate SWR from forward and reflected power
+by evaluating the following FORTRAN expression in their heads:
+
+      SWR=(1+SQRT(RPWR/FPWR))/(1-SQRT(RPWR/FPWR))
```

You mean that I am not a real hams because I do it in my head
using C ????

```
*/
```

I once read in a commentary titled "Real Programmers Don't Use Pascal", (author illegible) that "REAL PROGRAMMERS can write FORTRAN programs in any language". (emphasis added)

I would assume the same might be quite often applicable to HAMS as well, since the thrust of many projects I've seen is toward functionality and not necessarily "good structure"...

Reid, WB7CJO

Date: 29 Mar 93 06:12:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 28 March
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 087, 03/28/93
10.7 FLUX=126.2 90-AVG=133 SSN=080 BKI=3223 2233 BAI=011
BGND-XRAY=B2.1 FLU1=3.8E+05 FLU10=1.3E+04 PKI=3233 2234 PAI=013
BOU-DEV=024,016,016,026,019,012,021,032 DEV-AVG=020 NT SWF=00:000
XRAY-MAX= C2.1 @ 1504UT XRAY-MIN= B1.1 @ 0808UT XRAY-AVG= B4.8
NEUTN-MAX= +003% @ 2010UT NEUTN-MIN= -002% @ 1905UT NEUTN-AVG= -0.1%
PCA-MAX= +0.2DB @ 0010UT PCA-MIN= -0.5DB @ 1510UT PCA-AVG= -0.0DB
BOUTF-MAX=55404NT @ 0218UT BOUTF-MIN=55369NT @ 1856UT BOUTF-AVG=55392NT
GOES7-MAX=P:+106NT@ 1748UT GOES7-MIN=N:-004NT@ 0855UT G7-AVG=+067,+042,+008
GOES6-MAX=P:+122NT@ 1706UT GOES6-MIN=N:-114NT@ 0320UT G6-AVG=+080,-008,-057
FLUXFCST=STD:135,140,150;SESC:135,140,150 BAI/PAI-FCST=015,015,015/015,015,015
KFCST=2114 5011 2104 5011 27DAY-AP=016,022 27DAY-KP=2224 5333 1353 3434
WARNINGS=
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 27 MAR 93 is not available.

Date: Mon, 29 Mar 93 06:30:25 GMT
From: usc!sdd.hp.com!spool.mu.edu!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!cis.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU
Subject: KEPLERIAN BULLETIN 13 ARLK013
To: info-hams@ucsd.edu

=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC SK25
QST DE W1AW
KEPLERIAN BULLETIN 13 ARLK013
FROM ARRL HEADQUARTERS
NEWINGTON, CT MARCH 27, 1993
TO ALL RADIO AMATEURS

THANKS TO NASA, AMSAT AND N3FKV FOR THE FOLLOWING KEPLERIAN DATA.

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:

1 AAAAAU 00 0 0 BBBB.BBBBBBBB .CCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

AO-10

1 14129U 83058 B 93078.29105695 -.00000136 99999-4 0 9792
2 14129 27.0753 34.6420 6014476 66.4423 344.1607 2.05881390 45443

RS-10/11

1 18129U 87054 A 93084.67363164 0.00000067 67382-4 0 5847
2 18129 82.9238 300.3478 0011071 183.3365 176.7725 13.72311799288397

UO-11

1 14781U 84021 B 93084.58379548 0.00000825 14891-3 0 4073
2 14781 97.8193 114.6541 0010496 266.6006 93.3996 14.68922379484442

RS-12/13

1 21089U 91007 A 93077.16853936 0.00000064 62371-4 0 3967
2 21089 82.9217 349.6137 0029660 300.4358 59.3875 13.74017048106021

AO-13

1 19216U 88051 B 93082.65538582 -.00000198 99999-4 0 5808
2 19216 57.6036 326.0300 7253801 311.2856 6.0998 2.09724032 5066

UO-14

1 20437U 90005 B 93085.21562446 0.00000197 84600-4 0 7339
2 20437 98.6207 170.4110 0011616 67.1709 293.0700 14.29752105165570

AO-16

1 20439U 90005 D 93080.74052899 0.00000224 94853-4 0 5486
2 20439 98.6241 166.7852 0011935 79.8469 280.4060 14.29810587164946

DO-17

1 20440U 90005 E 93078.77900803 0.00000219 10097-3 0 5509
2 20440 98.6285 165.0385 0012089 86.7587 273.4979 14.29943209164677

WO-18

1 20441U 90005 F 93084.76501357 0.00000193 82469-4 0 5534
2 20441 98.6263 170.9940 0013018 68.4482 291.8085 14.29928420165536

LO-19

1 20442U 90005 G 93077.21541517 0.00000208 88276-4 0 5493
2 20442 98.6289 163.6820 0012347 89.5928 270.6676 14.30013163164467

FO-20

1 20480U 90013 C 93080.61382554 -.00000013 75414-6 0 4414

2 20480 99.0557 313.3439 0539952 285.0751 69.1261 12.83218206146085
 A0-21
 1 21087U 91006 A 93084.62664066 0.00000082 80420-4 0 7281
 2 21087 82.9403 114.6759 0033769 254.6687 105.0737 13.74512879107968
 U0-22
 1 21575U 91050 B 93081.75436579 0.00000272 99110-4 0 2483
 2 21575 98.4815 159.2404 0007317 196.5450 163.5499 14.36797698 88250
 K0-23
 1 22077U 92052 B 93077.07265321 0.00000000 99999-4 0 953
 2 22077 66.0779 154.9632 0009657 207.6727 150.4688 12.86276851 28124
 MIR
 1 16609U 86017 A 93085.01706985 0.00007283 10403-3 0 9670
 2 16609 51.6198 276.9798 0001884 124.9241 235.1686 15.57404565406166

KEPLERIAN BULLETINS ARE TRANSMITTED TWICE WEEKLY FROM W1AW. THE
 NEXT SCHEDULED TRANSMISSION OF THESE DATA WILL BE TUESDAY, MARCH
 30, 1993, AT 2330Z ON BAUDOT, AMTOR AND ASCII.
 NNNN

 Date: 29 Mar 93 11:10:46 GMT
 From: pipex!marble.uknet.ac.uk!uknet!uos-ee!ee.surrey.ac.uk!M.Willis@uunet.uu.net
 Subject: Operation in Monaco
 To: info-hams@ucsd.edu

I am off on holiday to Monaco this week and next week. I hope to operate on HF
 while there. Has anyone any experience of operating there?

It is CEPT.

Mike

 Date: Mon, 29 Mar 93 06:30:25 GMT
 From: usc!sdd.hp.com!spool.mu.edu!agate!usenet.ins.cwru.edu!magnus.acs.ohio-
 state.edu!cis.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU
 Subject: Propagation Forecast Bulletin 12 ARLP012
 To: info-hams@ucsd.edu

=====
 | Automatic relayed from packet radio via |
 | N8EMR's Ham BBS, 614-895-2553 |
 =====

ZCZC AP73

QST de W1AW
Propagation Forecast Bulletin 12 ARLP012
>From Tad Cook, KT7H
Seattle, WA March 26, 1993
To all radio amateurs

SB PROP ARL ARLP012
ARLP012 Propagation de KT7H

Solar activity was low last week. Flux levels averaged 124, about ten points lower than the average for the previous 90 days. The geomagnetic field was unsettled to active with the K index reaching four or higher on most days.

Solar flux should be perking up for the short term, reaching a broad peak around 155 between April 2 to 5. There may be some disturbances caused by recurring coronal holes around April 4 and again on April 17. There also could be some disturbances during the WPX contest this weekend.

Solar activity this week has been quite a bit lower than it was during the same week one year ago. Flux values averaged about 40 points higher during that week in 1992. This lower solar flux has a definite effect on openings on the higher HF bands.

Sunspot Numbers from March 18 to 24 were 98, 115, 84, 112, 99, 97 and 79, with a mean of 97.7. 10.7 cm flux was 110.7, 134.5, 128, 131, 128, 120.8 and 115, with a mean of 124.

The projection this time is for this weekend, from Philadelphia, PA to French Polynesia. 80 meters should be open from 0300 to 1200z, with the best times from 0400 to 1100z. 40 meters should be open from 0230 to 1300z, with the best times from 0430 to 1100z. 30 meters should be open from 0200 to 1330z, with the peak times from 0330 to 1130z. 20 meters should be best from 0100 to 0500z, and again from 1130 to 1300z. 17 meters should be best from 0100 to 0330z, and again from 1500 to 1630z. 15 meters should be open from 1530 to 0230z, and 12 meters from 1530 to 0100z. 10 meters should be open from 1600 to 2330z, with the best signals from 1800 to 2100z.

NNNN

Date: 29 Mar 93 06:54:15 GMT
From: news-mail-gateway@ucsd.edu
Subject: Radio Shack Pro-39 Mods
To: info-hams@ucsd.edu

Please mail any and all mods for the Radio Shack Pro-39 scanner
to grossm@rpi.edu.

Thanks in advance,
Matthew 'The_Nerd' Grossman

End of Info-Hams Digest V93 #388
